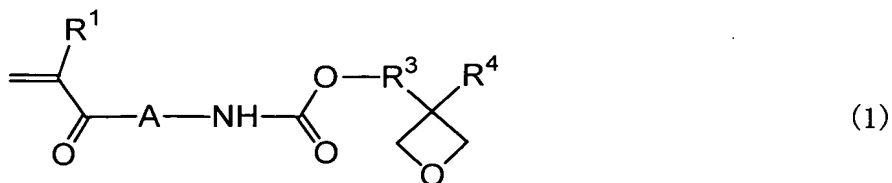


# CLAIMS

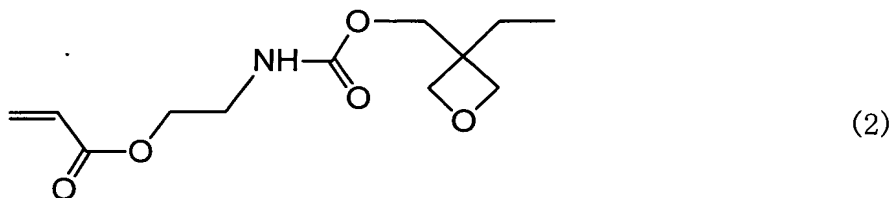
1. An oxetane compound containing a (meth)acryloyl group, which is represented by formula (1) below



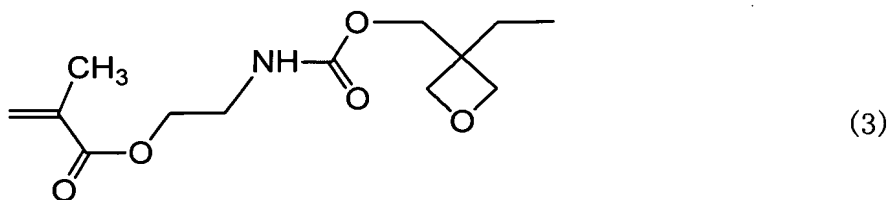
5 wherein R<sup>1</sup> represents a hydrogen atom or a methyl group, A represents -OR<sup>2</sup>- or a bond, R<sup>2</sup> represents a divalent hydrocarbon group which may contain an oxygen atom in the main chain, R<sup>3</sup> represents a linear or branched alkylene group having 1 to 6 carbon atoms, and R<sup>4</sup> represents a linear or branched alkyl group having 1 to 6 carbon atoms.

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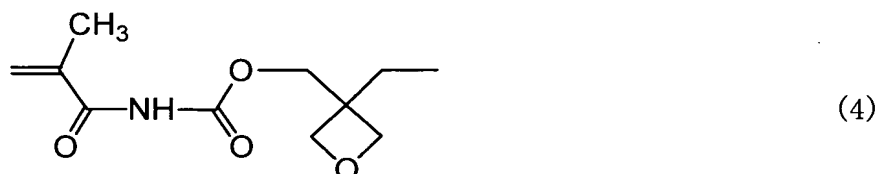
2. The oxetane compound containing a (meth)acryloyl group claimed in claim 1, which is a compound represented by formula (2) below.



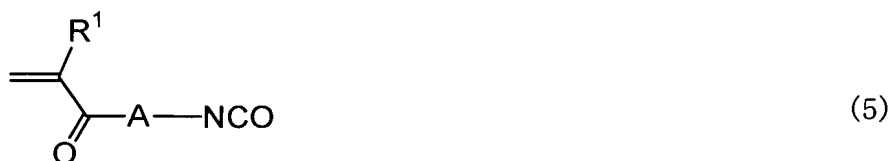
15 3. The oxetane compound containing a (meth)acryloyl group as claimed in claim 1, which is a compound represented by formula (3) below.



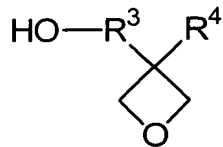
4. The oxetane compound containing a (meth)acryloyl group as claimed in claim 1, which is a compound represented by formula (4) below.



5. A production method of an oxetane compound containing a (meth)acryloyl group, wherein an isocyanate compound containing a (meth)acryloyl group represented by formula (5) below is reacted with an oxetane compound containing a hydroxyl group represented by formula (6) below



wherein  $R^1$  represents a hydrogen atom or a methyl group, A represents  $-OR^2-$  or a bond, and  $R^2$  represents a divalent hydrocarbon group which may contain an oxygen atom in the main chain



(6)

wherein R<sup>3</sup> represents a linear or branched alkylene group having 1 to 6 carbon atoms, and R<sup>4</sup> represents a linear or branched alkyl group having 1 to 6 carbon atoms.

6. The production method of an oxetane compound containing a (meth)acryloyl group as claimed in claim 5, wherein a tertiary amine or a tin compound is used as catalyst.